

Abstract:

The present invention relates to a suspension device (1) for the load-bearing and resilient support of a wheel (2) in a motor vehicle, comprising at least one spring cylinder (10) with a piston (14), which is guided in a manner moveable relative to it in a pressure cylinder (12), and comprising a driving device (20) for converting pivoting movements of a wheel oscillating-crank supporting arm (4), which movements oscillate about an oscillating-crank axis (8), into the relative movements between the pressure cylinder (12) and piston (14), the piston (14) acting counter to an elastically compressible spring medium (FM) in order to produce a load-bearing supporting spring force (F), the driving device (20) being designed as a gearwheel mechanism (22).

Fig. 1